








USE OF POLYPEPTIDES OF THE CUPREDOXIN FAMILY IN CANCER THERAPY**Publication number:** WO2005018662**Publication date:** 2005-03-03**Inventor:** CHAKRABARTY AMANDA M (US); DAS GUPTA TAPAS K (US); PUNJ VASU (US); ZABORINA OLGA (US); HIRAOKA YOSHINORI (US); YAMADA TOHRU (US)**Applicant:** TRUSTEES OF THE UNIVERSITY OF (US); CHAKRABARTY AMANDA M (US); DAS GUPTA TAPAS K (US); PUNJ VASU (US); ZABORINA OLGA (US); HIRAOKA YOSHINORI (US); YAMADA TOHRU (US)**Classification:****- International:** **A61K38/16; A61P35/00; A61K38/16; A61P35/00;**
(IPC1-7): A61K38/16; A61P35/00**- European:** A61K38/16B**Application number:** WO2004US25982 20040810**Priority number(s):** US20030414550P 20030815; US20030720603
20031124**Also published as:** EP1653990 (A1)
 KR20060098358 (A)
 EP1653990 (A0)
 CA2535581 (A1)
 BRPI0413574 (A)

more >>

Cited documents: WO02076380
 XP002306631
 XP002306632
 XP002306633
 XP002306634**Report a data error here****Abstract of WO2005018662**

Cytotoxic factors having use in modulating cell death, and their use in methods of treating necrosis or apoptosis-related conditions are disclosed. The invention also relates to methods for identifying active agents useful in treating conditions related to cell death or uncontrolled growth. The present inventors have found that different microorganisms produce different cytotoxic factor(s) having anticancer activity. The substantially pure cytotoxic factors can be used in a method of treating an infectious disease or a cancer.

Data supplied from the **esp@cenet** database - Worldwide

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 March 2005 (03.03.2005)

PCT

(10) International Publication Number
WO 2005/018662 A1

(51) International Patent Classification⁷: **A61K 38/16**,
A61P 35/00

(US). YAMADA, Tohru [JP/US]; 331 Harrison, Oak Park,
IL 60304 (US).

(21) International Application Number:
PCT/US2004/025982

(74) Agent: MURRAY, John, A.; Brinks Hofer Gilson & Li-
one, P.O.Box 10087, Chicago, IL 60610 (US).

(22) International Filing Date: 10 August 2004 (10.08.2004)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/414,550 15 August 2003 (15.08.2003) US
10/720,603 24 November 2003 (24.11.2003) US

(71) Applicant (*for all designated States except US*): **BOARD
OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS**
[US/US]; 352 Henry Administration Building, 506 South
Wright Street, Urbana, IL 61801 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CHAKRABARTY,**
Amanda, M. [US/US]; 206 Julia Drive, Villa Park, IL
60181 (US). **DAS GUPTA, Tapas, K.** [US/US]; 1317 Jack-
son Avenue, River Forest, IL 60305 (US). **PUNJ, Vasu**
[US/US]; 1926 West Harrison Street, #1008, Chicago, IL
60612 (US). **ZABORINA, Olga** [RU/US]; 3433 Arden Av-
enue, Brookfield, IL 60513 (US). **HIRAOKA, Yoshinori**
[JP/US]; 441 East Erie Street, #3109, Chicago, IL 60611

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: USE OF POLYPEPTIDES OF THE CUPREDOXIN FAMILY IN CANCER THERAPY

(57) Abstract: Cytotoxic factors having use in modulating cell death, and their use in methods of treating necrosis or apoptosis--related conditions are disclosed. The invention also relates to methods for identifying active agents useful in treating conditions related to cell death or uncontrolled growth. The present inventors have found that different microorganisms produce different cylo-toxic factor(s) having anticancer activity. The substantially pure cytotoxic factors can be used in a method of treating an infectious disease or a cancer.



WO 2005/018662 A1